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PTO/SB/21 (09-04)

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TRANSMITTAL FORM

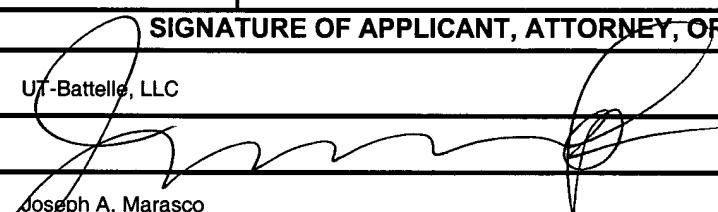
(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/735,974
Filing Date	December 15, 2003
First Named Inventor	Evan K. Ohriner
Art Unit	
Examiner Name	Paula McCray
Attorney Docket Number	1318.0

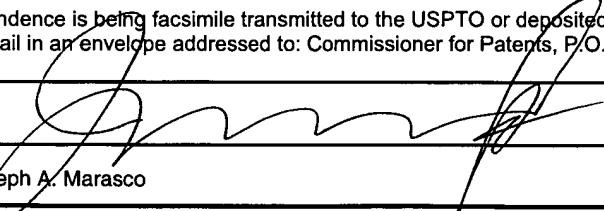
ENCLOSURES (Check all that apply)		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	UT-Battelle, LLC		
Signature			
Printed name	Joseph A. Marasco		
Date	AUG 25 2005	Reg. No.	32,798

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Joseph A. Marasco	Date	AUG 25 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: E.K. Ohriner, et al.

DOCKET NO.: 1318.0

SERIAL NO.: 10/735, 974

CONFIRMATION NO.:

FILED: December 15, 2003

ART UNIT:

EXAMINER: Paula McCray

TITLE: Tungsten Alloy High Temperature Tool Materials

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Mail Stop Non-Fee Amendment
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to applicant in order to comply with applicant's duty of disclosure pursuant to 37 C.F.R. § 1.56. A copy of each document is being submitted herewith to comply with the provisions of 37 C.F.R. §§ 1.97 and 1.98.

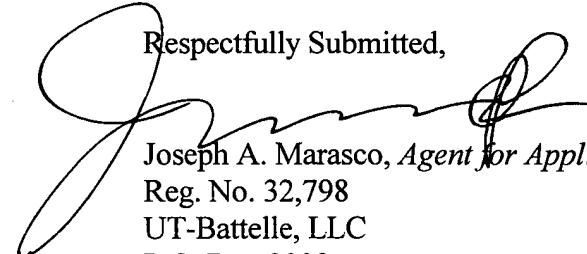
Applicant presents these references that the Patent Office may determine any relevancy thereof to the presently claimed invention. WIPO publication WO 2005/024075 does not predate the present application *per se*; however, the earliest-filed of three provisional U.S. patent applications upon which the respective PCT application relies for priority data does appear to predate the present application.

Applicant respectfully requests that the references be expressly considered during the prosecution of the subject application and made of record therein and appear among the

"references cited" on any patent to issue therefrom.

Applicant also requests that an initialed copy of Form PTO-1449 be returned in accordance with MPEP Section 609.

Respectfully Submitted,


Joseph A. Marasco, *Agent for Applicant*
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Certificate of Mailing

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Karen Chen



PTO/SB/08A (08-03)

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<p>Substitute for form 1449/PTO</p> <p>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(Use as many sheets as necessary)</i></p>		Complete if Known	
		Application Number	10/735,974
		Filing Date	12/15/2003
		First Named Inventor	E.K. Ohriner
		Art Unit	
		Examiner Name	Paula McCray
Sheet	1	of	2

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Type
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	2	02030774	02-01-1990	K. Yoshihisa		
	3	3002346811	12-04-2002	K. Naohiro		

Examiner Signature		Date Considered	
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¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ²Applicant's unique citation designation number (optional). ³See Kinds of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO		<i>Complete if Known</i>			
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/735,974		
		Filing Date	12/15/2003		
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		Art Unit			
		Examiner Name	Paula McCray		
Sheet	2	of	2	Attorney Docket Number	1318.0

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	4	H.M. YUN, "Preliminary Evaluation of Tensile and Stress-Rupture Behavior of W + 24 At. Pct RE + 0.4 At. Pct HfC Wire," Metallurgical Transitions A, 1993, pp. 209-214, Vol 24A.			
	5	J.J. PARK, "Formation of Subgrains in tungsten-rhenium-hafnium carbide alloys during creep," J of Materials Science Letters, 1999, pp. 273-275, Vol 18.			
	6	W.D. KLOPP, "Mechanical Properties of a Tungsten-23.4 Percent Rhenium-0.27 Percent Hafnium-Carbon Alloy, J Less-Common Metals, 1971, pp. 427-443, Vol. 24.			
	7	H.P. GAO, "Effects of rhenium on creep resistance in tungsten alloys," J of Materials Science Letters, 2001, pp. 885-887, Vol. 20.			

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.
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